

## VME Intensity Monitor - Bug #11719

Milestone # 11650 (Closed): Mar 2016 Release A - 201603A

### Raw pulse data should only readout the number of samples that were digitized

02/15/2016 09:51 AM - John Diamond

<b>Status:</b>	Closed	<b>Start date:</b>	02/15/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Diamond	<b>% Done:</b>	100%
<b>Category:</b>	DAQ	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	1.00 hour
<b>Description</b>			
As it is right now the whole buffer is readout which may include un-initialized garbage after the real raw data samples.			

#### History

##### #1 - 02/28/2016 11:28 AM - John Diamond

- Parent task changed from #11649 to #11650

##### #2 - 02/28/2016 01:42 PM - John Diamond

- % Done changed from 0 to 80

Implemented `MirrTorDrv::rawSampleSizeGet()` to return the number of raw samples acquired for the last pulse.  
Used this method to set the number of samples to be copied into the raw sample buffer at readout.  
ACNET accessor already has the necessary bounds-checking implemented via `VMEInt::adcRawRead(..)`.  
Testing still needs to be done on the ACNET raw readout devices and the pulse save CLI command.

##### #3 - 02/28/2016 06:38 PM - John Diamond

- Status changed from Assigned to Closed

- % Done changed from 80 to 100

Test on nbeam. Verified that both the ACNET array device and `vmeintSaveOn(..)` record the proper number of raw data samples.